



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/379,072	08/23/1999	CHIKAKO SANO	450100-02015	9838

20999 7590 09/10/2004

FROMMER LAWRENCE & HAUG  
745 FIFTH AVENUE- 10TH FL.  
NEW YORK, NY 10151

EXAMINER
----------

GENCO, BRIAN C

ART UNIT	PAPER NUMBER
----------	--------------

2615

DATE MAILED: 09/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/379,072	SANO, CHIKAKO	
	<b>Examiner</b>	<b>Art Unit</b>	
	Brian C Genco	2615	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1,3 and 5-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3, and 5-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date: ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date: ____. | 6) <input type="checkbox"/> Other: ____.  |

Art Unit: 2615

Applicant's amendment filed July 12, 2004 has been fully considered by the Examiner but is not deemed persuasive.

Applicant has amended claims 1, 3, 6, and 7 so as to include limitations similar to that of previously presented claims 2 and 4. Examiner notes that in the previous office action USPN 6,072,936 to Soloff was used to teach the limitations of claims 2 and 4. As Applicant has not made any arguments with regards to the teaching presented by Soloff the grounds of rejection for claims 1, 3, 6, and 7 will be modified so as to include the Soloff reference.

Applicant has requested a reference to teach the official notice relied upon in the rejection of claims 6 and 7.

In response, Examiner notes that the Koyama reference discloses a digital still camera as a scanner element 28 of Figs. 1 and 2. Note column 8, line 1 – column 9, line 5.

### ***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 3, and 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over (USPN 6,072,936 to Koyama) in view of (USPN 5,369,447 to Soloff).

In regards to claim 1 Koyama discloses an image data processing method comprising the steps of:

Art Unit: 2615

storing image data of a screen into memory means, said image data having M lines and N pixels (column 8, line 1 – column 11, line 11, wherein M is 80 and N is 60);

reading the image data from the memory means in a unit of block having K lines and L pixels in each of said K lines and processing the read image data in the unit of block (e.g., the raster block converting unit wherein K is 8 and L is 8; column 9, line 61 – column 10, line 26); and

when the image data is read in the unit of block having said K lines and said L pixels and the read image data is short of the unit of block, said M lines are divided by said K lines resulting in a first remainder and said N pixels are divided by said L pixels resulting in a second remainder (e.g., column 9, line 66 – column 10, line 26, wherein in this case the first remainder is 0 and the second remainder is 4);

wherein a number of lines equal to said first remainder is added to an upper or lower end of said image data, and wherein a number of pixels equal to said second remainder is added to a left or right end of said image data (e.g., column 10, lines 10-22).

Koyama does not disclose nor preclude that the added lines and pixels are added on the image data on each of both end sides of the image equally. Soloff discloses the known technique of extending image data called end extension as shown in Fig. 2 wherein this reduces edge distortion (column 2, lines 37-42). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have added image data on each of both end sides equally in order to reduce edge distortion.

In regards to claim 3 see Examiner's notes on the rejection of claim 1. Note that Koyama discloses performing a DCT on the block data to compress the image data into JPEG format.

Art Unit: 2615

Further note that the format setting means is the setting between the low, medium, and high resolution images.

In regards to claim 5 see Examiners notes on the rejections above.

In regards to claims 6 and 7 see Examiners notes on the rejections above. Note Figs. 1 and 2 and column 8, line 1 – column 9, line 5 of Koyama.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian C. Genco who can be reached by phone at 703-305-7881 or by fax at 703-746-8325. The examiner can normally be reached on Monday thru Friday 8:30am to 4:30 pm.

Art Unit: 2615

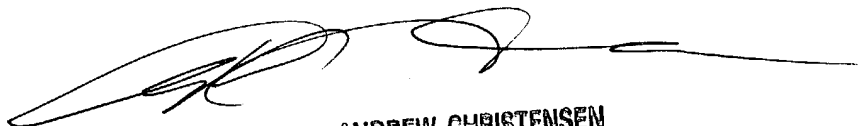
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Christensen can be reached on 703-308-9644. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is 703-308-4357.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian C Genco  
Examiner  
Art Unit 2615

August 27, 2004



ANDREW CHRISTENSEN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600